## BBA

## Lipids and Lipid Metabolism

Vol. 1123, 1992

## **Cumulative Contents**

| Information for Contributors   | vu | and metabolism in Syrian hamsters   |     |
|--|----|---|-----|
| Review   |    | P.H.E. Groot, N.J. Pearce, K.E. Suckling and S. Eisenberg (U.K., Israel)  | 76  |
| Structure and functional properties of lipoprotein lipase CS. Wang, J. Hartsuck and W.J. McConathy   |    | Hepatic uptake and processing of cholesterol and cholesteryl ester from chylomicron remnants: an in vivo study in the rat                                   |     |
| (U.S.A.)   | 1  | E. Bravo, T. Guldur, K.M. Botham, P.A. Mayes and A. Cantafora (Italy, U.K.)   | 85  |
| Regular Papers   |    | Competitive inhibition of lipolytic enzymes. V. A monolayer study using enantiomeric acylamino  |     |
| Comparison of the conversion rates of $\alpha$ -linolenic acid (18:3( $n-3$ )) and stearidonic acid (18:4 ( $n-3$ )) to longer polyunsaturated fatty acids in rats |    | analogues of phospholipids as potent competitive inhibitors of porcine pancreatic phospholipase A <sub>2</sub> S. Ransac, A.M.T.J. Deveer, C. Rivière, A.J. |     |
| K. Yamazaki, M. Fujikawa, T. Hamazaki, S. Yano and T. Shono (Japan) Solubilization and modulation of acyl-CoA:1-   | 18 | Slotboom, C. Gancet, R. Verger and G.H. De Haas (France, The Netherlands) Cholesterol metabolism in ExHC (exogenous hy-                                     | 92  |
| acyl-glycerophosphocholine acyltransferase ac-<br>tivity in rat liver microsomes   |    | percholesterolemic) rats K. Imaizumi, A. Nagatomi, M. Sato, A. Tominaga and M. Sugano (Japan)   | 101 |
| J.J. Mukherjee, P.G. Tardi and P.C. Choy (Canada)  | 27 | Metabolism of 12(R)-hydroxyeicosatetraenoic acid by rat liver microsomes  | 101 |
| Transport of poly-β-hydroxybutyrate in human plasma R.N. Reusch, A.W. Sparrow and J. Gardiner  |    | H.K. Jajoo, J.H. Capdevila, J.R. Falck, R.K. Bhatt and I.A. Blair (U.S.A.)  | 110 |
| (U.S.A.)   | 33 | D   |     |
| Apparent relative retention of the phosphatidyl-<br>ethanolamine molecular species $18:0-20:5(n-1)$  |    | Review  |     |
| 3), $16:0-22:6(n-3)$ and the sum $16:0-20:4(n-6)$ plus $16:0-20:3(n-9)$ in the liver microsomes of pig on an essential fatty acid defi-                            |    | Insect glycolipids  H. Wiegandt (Germany)   | 117 |
| cient diet  L. Menguy, R. Christon, A. Van Dorsselaer and  |    | Regular Papers  |     |
| C.L. Léger (France)<br>Synthesis of $\beta$ -hydroxy fatty acids and $\beta$ -amino  | 41 | A defect in the sterol: steryl ester interconversion in a mutant of the yeast, Saccharomyces cere-  |     |
| fatty acids by the strains of <i>Bacillus subtilis</i> producing iturinic antibiotics <i>F. Besson, I. Tenoux, ML. Hourdou and G.</i>                              |    | visiae<br>G.A. Keesler, S.M. Laster and L.W. Parks<br>(U.S.A.)  | 127 |
| Michel (France) Substrate specificities of lipases A and B from Geotrichum candidum CMICC 335426   | 51 | Hepatic and nonhepatic sterol synthesis and tis-<br>sue distribution following administration of a<br>liver selective HMG-CoA reductase inhibitor,          |     |
| E. Charton and A.R. Macrae (U.K.) Comparison of effects of epidermal and insulin-  | 59 | CI-981: comparison with selected HMG-CoA reductase inhibitors   |     |
| like growth factors, gastrin releasing peptide<br>and retinoic acid on fetal lung cell growth and<br>maturation in vitro   |    | T.M.A. Bocan, E. Ferguson, W. McNally, P.D. Uhlendorf, S. Bak Mueller, P. Dehart, D.R. Sliskovic, B.D. Roth, B.R. Krause and R.S. New-                      |     |
| C. Fraslon and J.R. Bourbon (France)   | 65 | ton (U.S.A.)  | 133 |

| Plasma lipid transport in the preruminant calf,<br>Bos spp: primary structure of bovine apolipo-<br>protein A-I          |     | B. Staels, J. Peinado-Onsurbe and J. Auwerx (Belgium)  | 227 |
|--|-----|--|-----|
| D.A. Sparrow, B.R. Lee, P.M. Laplaud, S. Auboiron, D. Bauchart, M.J. Chapman, A.M.                                       |     | Review   |     |
| Gotto, Jr., C.Y. Yang and J.T. Sparrow (U.S.A., France)  | 145 | Regulation of fatty acid and cholesterol metabolism by the AMP-activated protein ki-           |     |
| Effect of $\beta$ -lactoglobulin on the activity of pregastric lipase. A possible role for this protein in ruminant milk |     | nase D.G. Hardie (U.K.)  | 231 |
| M.D. Perez, L. Sanchez, P. Aranda, J.M. Ena, R. Oria and M. Calvo (Spain)  | 151 | Regular Papers   |     |
| Purification and NH <sub>2</sub> -terminal amino acid se-  | 131 | Tiegulai Tupero  |     |
| quences of human and rat kidney fatty acid   |     | Characteristics of the binding of human and  |     |
| ω-hydroxylases   |     | bovine high-density lipoproteins by blood-   |     |
| H. Kawashima, E. Kusunose, I. Kubota, M.   |     | stream forms of the African trypanosome, Try-  |     |
| Maekawa and M. Kusunose (Japan)  | 156 | panosoma brucei brucei   |     |
| Polyphosphoinositide phospholipase C in wheat  |     | M.P.T. Gillett and J.S. Owen (U.K.)  | 239 |
| root plasma membranes. Partial purification  |     | Inhibition of glycerol-3-phosphate acyltransferase   |     |
| and characterization   |     | by analogs of glycerol-3-phosphate   |     |
| PM. Melin, C. Pical, B. Jergil and M. Som-   |     | T.A. Stein, R.R. Engel and B.E. Tropp (U.S.A.)   | 249 |
| marin (Sweden)   | 163 | Transforming growth factor- $\beta$ inhibits surfactant  |     |
| Effects of clofibrate feeding on essential fatty   |     | protein A expression in vitro  |     |
| acid desaturation and oxidation in isolated rat liver cells  |     | J.A. Whitsett, A. Budden, W.M. Hull, J.C. Clark and M.A. O'Reilly (U.S.A.)                     | 257 |
| M. Grønn, E. Christensen, TA. Hagve and  |     | Immunogenic properties of mannose-containing   | 231 |
| B.O. Christophersen (Norway)   | 170 | ceramide disaccharide and immunochemical   |     |
| Diacylglycerol kinase in plasma membranes from   |     | detection of its hapten in the two kinds of  |     |
| wheat  |     | crustacean, Euphausia superba and Macro-   |     |
| G.A. Lundberg and M. Sommarin (Sweden)   | 177 | brachium nipponense  |     |
| Generation of one set of monoclonal antibodies   |     | S. Itonori, M. Hiratsuka, N. Sonku, H. Tsuji, O.   |     |
| specific for b-pathway ganglio-series ganglio-   |     | Itasaka, T. Hori and M. Sugita (Japan)   | 263 |
| sides  |     | Interaction of melittin with endotoxic lipid A   |     |
| H. Ozawa, M. Kotani, I. Kawashima and T. Tai   | 101 | S.A. David, V.I. Mathan and P. Balaram (In-  | 200 |
| (Japan)  | 184 | dia)   | 269 |
| Photoaffinity cross-linking of acyl carrier protein to Escherichia coli membranes  | 101 | Leukotriene A <sub>4</sub> hydrolase: an anion activated peptidase                             | 275 |
| N. Bayan and H. Thérisod (France)  | 191 | A. Wetterholm and J.Z. Haeggström (Sweden)   | 275 |
| Dicyclohexylcarbodiimide and vanadate sensitive ATPase of lung lamellar bodies   |     | Resistance to ethanol disordering of membranes from ethanol-fed rats is conferred by all phos- |     |
| A. Chander (U.S.A.)  | 198 | pholipid classes   |     |
| UV-treated lipoproteins as a model system for  | 170 | H. Rottenberg, R. Bittman and HL. Li (U.S.A.)  | 282 |
| the study of the biological effects of lipid per-  |     | Enhanced sensitivity to oxidative stress in  | 202 |
| oxides on cultured cells. 4. Calcium is involved   |     | Cu,ZnSOD depleted rat erythrocytes   |     |
| in the cytotoxicity of UV-treated LDL on lym-  |     | G.M. Bartoli, P. Palozza and E. Piccioni (Italy)   | 291 |
| phoid cell lines   |     | Altered desaturase activities and fatty acid com-  |     |
| A. Nègre-Salvayre and R. Salvayre (France)   | 207 | position in liver microsomes of spontaneously  |     |
| Inhibition of prostaglandin synthesis in human   |     | diabetic Wistar BB rat   |     |
| endothelial cells treated with metabolic in-   |     | V. Mimouni and JP. Poisson (France)  | 296 |
| hibitors   | 216 | Biosynthesis of cholic acid accelerated by dia-  |     |
| G.E. Revtyak and W.B. Campbell (U.S.A.)  | 216 | betes: its mechanism and effect of vanadate administration                                     |     |
| Rapid Report   |     | K. Kimura, Y. Ogura and M. Ogura (Japan)   | 303 |
| impu report  |     | Difference in antioxidant activity between re-   | 505 |
| Down-regulation of hepatic lipase gene expres-   |     | duced coenzyme Q <sub>9</sub> and reduced coenzyme   |     |
| sion and activity by fenofibrate   |     | Q <sub>10</sub> in the cell: studies with isolated rat and                                     |     |

| guinea pig hepatocytes treated with a water-<br>soluble radical initiator                  |     | M. Kuzuya, K. Yamada, T. Hayashi, C. Funaki, M. Naito, K. Asai and F. Kuzuya (Japan)  | 334 |
|--|-----|---|-----|
| T. Matsura, K. Yamada and T. Kawasaki (Japan)  | 309 | Metabolism of prostaglandins $E_2$ and $F_{2\alpha}$ by human fetal membranes         |     |
| Condensation activity for polyunsaturated fatty acids with malonyl-CoA in rat brain micro- |     | M.H.F. Sullivan, C.K. Roseblade, N.B. Rendell, G.W. Taylor and M.G. Elder (U.K.)      | 342 |
| somes. Characteristics and developmental change  |     | Enzymatic synthesis of structural analogs of PAF-acether by phospholipase D-catalysed |     |
| S. Yoshida and JM. Bourre (France)   | 316 | transphosphatidylation  |     |
| Enzyme-catalyzed oxidation of cholesterol in pure  |     | V. Testet-Lamant, B. Archaimbault, J. Durand  |     |
| monolayers at the air/water interface  |     | and M. Rigaud (France)  | 347 |
| J.P. Slotte (Finland)  | 326 |   |     |
| Role of lipoprotein-copper complex in copper   |     | Cumulative Contents, Vol. 1123  | 351 |
| catalyzed-peroxidation of low-density lipopro-<br>tein                                     |     | Author Index  | 355 |



